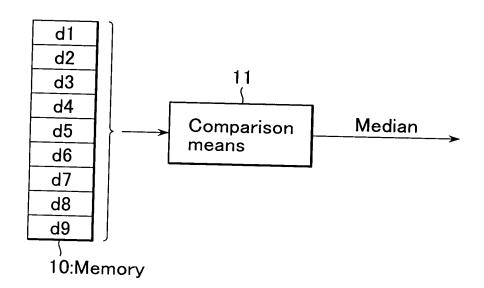
FIG.1 (Prior Art)



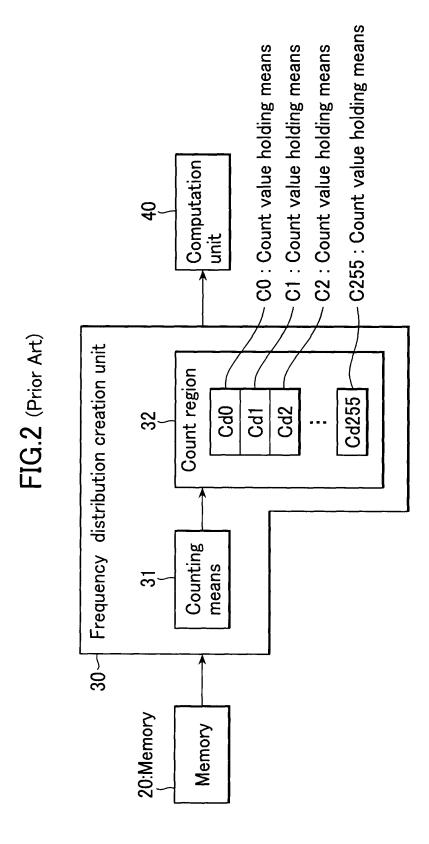
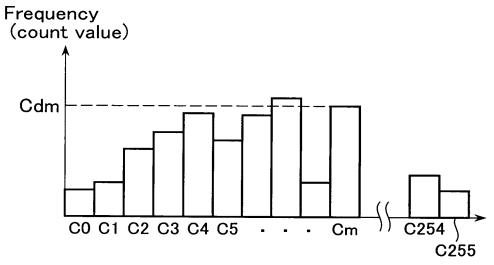


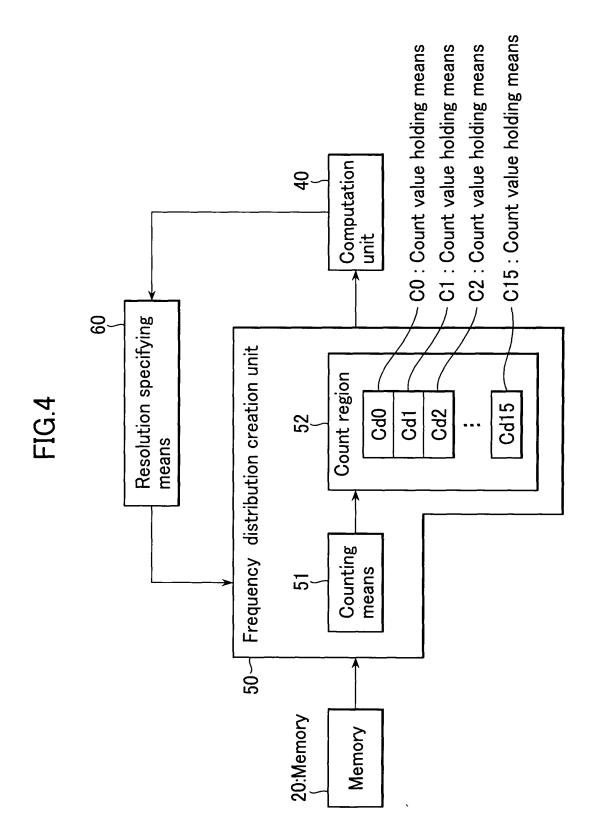
FIG.3 (Prior Art)



Count value holding means

The median is the numerical value data corresponding to the count value holding means Cm, where (N+1)  $\leq$  Cd0 or Cd0 + Cd1 + ... + Cd(m-1) < (N+1)  $\leq$  Cd0 + Cd1 + ... + Cd(m-1) + Cdm.

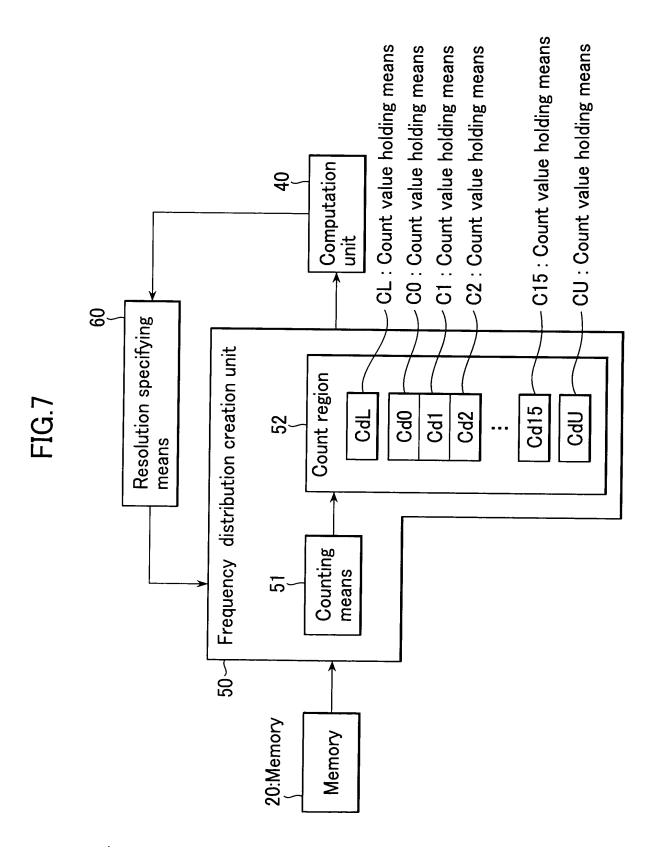
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stribution with ght bits for rang where median e	Count value holding means	00	C1	C2	C3		C14	C15
Create frequency distribution with resolution of first eight bits for range of numerical values where median exists	Numerical value   Count value   range (HEX)   holding mear	2000~20FF	2100~21FF	2200~22FF	2300~23FF	::	2E00~2EFF	2F00~2FFF
ţ			Sold freedom of the sold of th	with higher resolution for range of numerical values	where median exists			
distribution w	Count value holding means	CO	C1	C2	C3		C14	C15
Create frequency distribution with resolution of first four bits	Numerical value   Count value   range (HEX)   holding mean	0000~0FFF	1000~1FFF	2000~2FFF	3000~3FFF		E000~EFFF	F000~FFFF

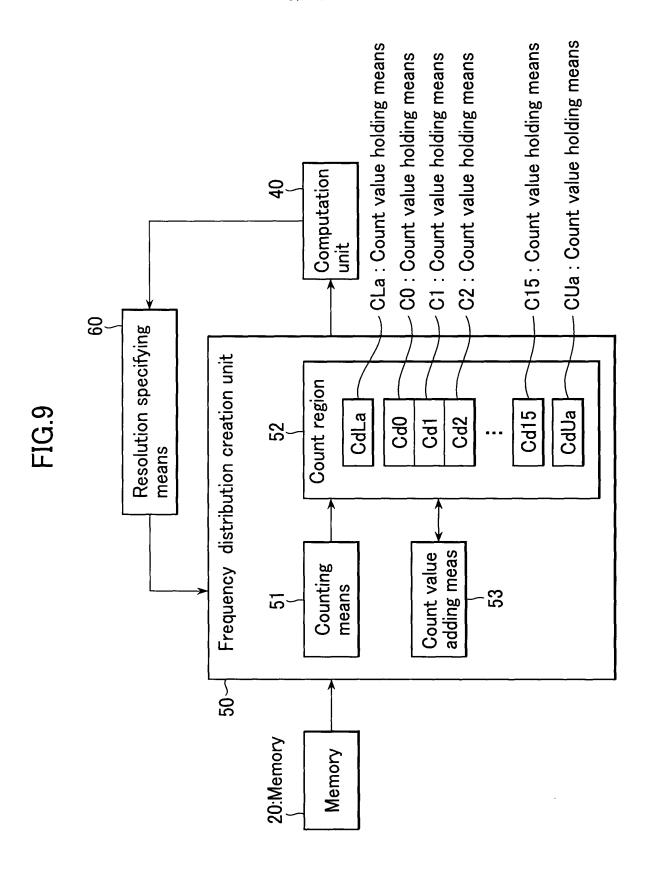
	Create frequency distribution (read and count)	Cumulative value computation	Total
Device shown in FIG.2	1001 times × 2	65,535 times	67,537 times
Device shown in FIG.4	(1001 times × 2) × 4	15 times × 4 times	8068 times

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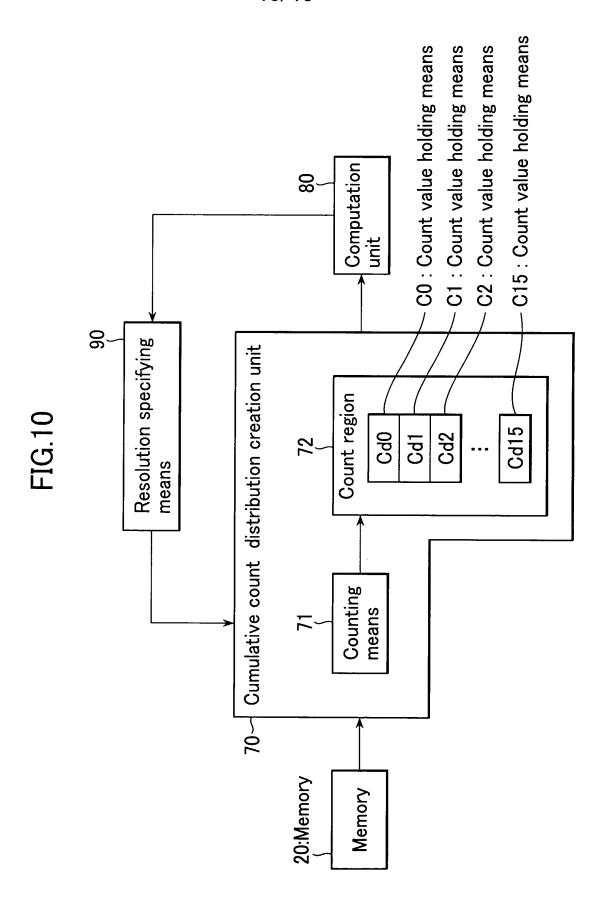


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ists							<u></u>			
ibution with t bits for range nere median exis	Count value holding means	CL	CO	C1	C2	ည	:	C14	C15	CN
Create frequency distribution with resolution of first eight bits for range of numerical values where median exists	Numerical value   Count value range (HEX)   holding mear	0000~1FFF	2000~20FF	2100~21FF	2200~22FF	2300~23FF		2E00~2EFF	2F00~2FFF	3000~FFFF
Cre of I				distribution	on for	S S S S				
ţ				Create frequency distribution	with higher resolution for range of numerical values	where median exists		/		
Create frequency distribution with resolution of first four bits	Numerical value   Count value   range (HEX)   holding means	CL	00	C1 Create fragilency	C2 with higher resoluti	C3 where median exist		C14	C15	no

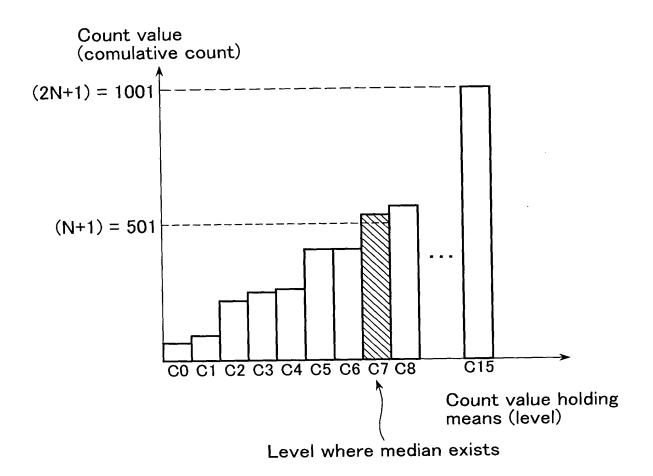


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with of			1	1/1	3							
unt distribution nt bits for range re median exista	Count value holding means	00	10	C2	C3	C4	C5	90	C7	C8	 C14	C15
Create cumulative count distribution with resolution of first eight bits for range of numerical values where median exists	Numerical value range (HEX)	0000~70FF	0000~71FF	0000~72FF	0000~73FF	0000~74FF	0000~75FF	0000~76FF	0000~77FF	0000~78FF	 0000~7EFF	0000~7FFF
O. res				\				Create frequency distribution with higher resolution for	range of numerical values	where median exists		
uo ,								Create fre	range of n	_where me _/		
count distribution First four bits	Count value holding means	00	C1	C2	C3	C4	C5	C6 Create fre	C7 range of n	C8 where me	 C14	C15
Create cumulative count distribution with resolution of first four bits	Numerical value Count value range (HEX) holding means	0000∼0FFF C0	0000∼1FFF C1	0000~2FFF C2	0000∼3FFF C3	0000~4FFF C4				/	 0000~EFFF C14	0000~FFFF C15

FIG.12



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tribution with ht bits for range <i>r</i> here median ex	Count value holding means	00	C1	C2	c3		C14	C15
Create frequency distribution with resolution of first eight bits for range of numerical values where median exists	Numerical value   Count value range (HEX)   holding mear	0000~20FF	2100~21FF	2200~22FF	2300~23FF	•••	2E00~2EFF	2F00~FFFF
ith				with higher resolution for range of numerical values	where median exists			
/ distribution w t four bits	Count value holding means	CO	C1	C2	C3		C14	C15
Create frequency distribution with resolution of first four bits	Numerical value Count value range (HEX) holding mean	0000~0FFF	1000~1FFF	2000~2FFF	3000~3FFF		E000~EFFF	F000~FFFF